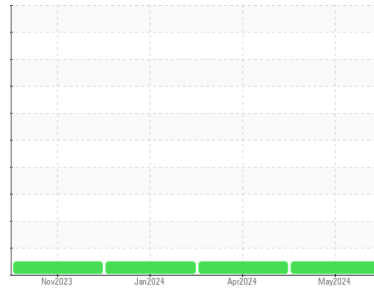


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**(P1021273) Dixon Transport-Tractor**  
 Machine Id  
**[Dixon Transport-Tractor] 325A325534**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 10W30 (11 GAL)**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

#### Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>PCA0121227</b>	PCA0121211	PCA0114341
Sample Date	Client Info			<b>20 May 2024</b>	25 Apr 2024	19 Jan 2024
Machine Age	mls Client Info			<b>415679</b>	414252	407266
Oil Age	mls Client Info			<b>26016</b>	24589	17603
Oil Changed	Client Info			<b>Changed</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>5		<b>&lt;1.0</b>	<1.0	<1.0
Water	WC Method	>0.2		<b>NEG</b>	NEG	NEG
Glycol	WC Method			<b>NEG</b>	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>80	<b>49</b>	57	16
Chromium	ppm	ASTM D5185m	>5	<b>2</b>	4	2
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	2	1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>30	<b>15</b>	18	7
Lead	ppm	ASTM D5185m	>30	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>150	<b>11</b>	14	8
Tin	ppm	ASTM D5185m	>5	<b>1</b>	1	1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
Cadmium	ppm	ASTM D5185m		<b>0</b>	<1	0

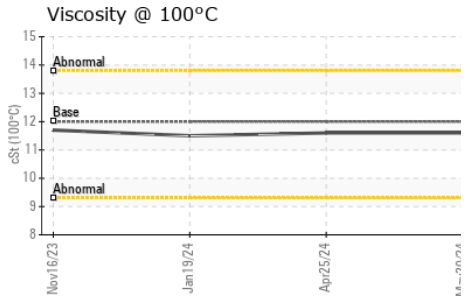
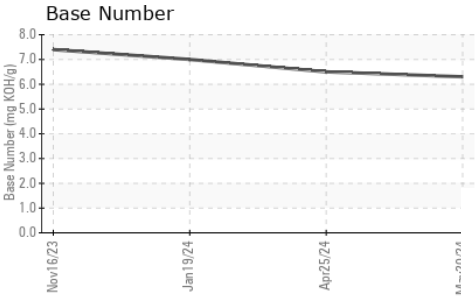
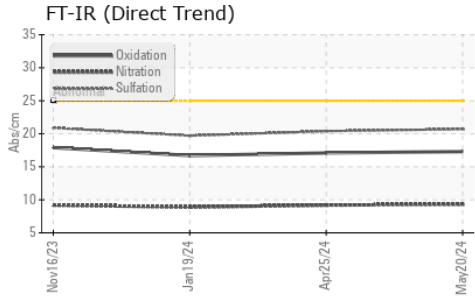
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<b>6</b>	5	6
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	50	<b>59</b>	72	62
Manganese	ppm	ASTM D5185m	0	<b>1</b>	1	<1
Magnesium	ppm	ASTM D5185m	950	<b>972</b>	1121	1017
Calcium	ppm	ASTM D5185m	1050	<b>1083</b>	1250	1106
Phosphorus	ppm	ASTM D5185m	995	<b>1060</b>	1154	1045
Zinc	ppm	ASTM D5185m	1180	<b>1251</b>	1426	1262
Sulfur	ppm	ASTM D5185m	2600	<b>3091</b>	3401	2906

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<b>8</b>	10	5
Sodium	ppm	ASTM D5185m		<b>3</b>	3	2
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	5	<1

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>0.5</b>	0.5	0.4
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.3</b>	9.2	8.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>20.7</b>	20.4	19.7

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>17.3</b>	17.1	16.7
Base Number (BN)	mg KOH/g	ASTM D2896		<b>6.3</b>	6.5	7.0

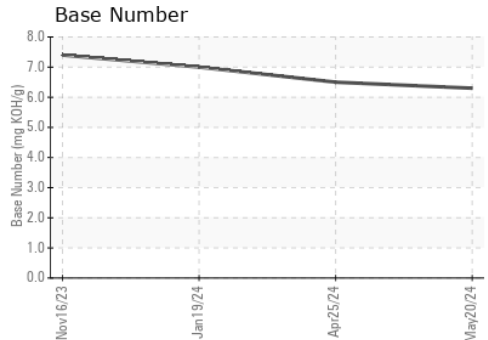
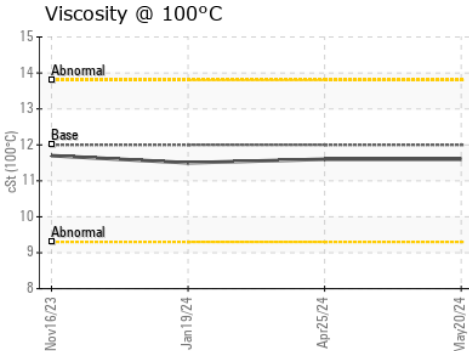
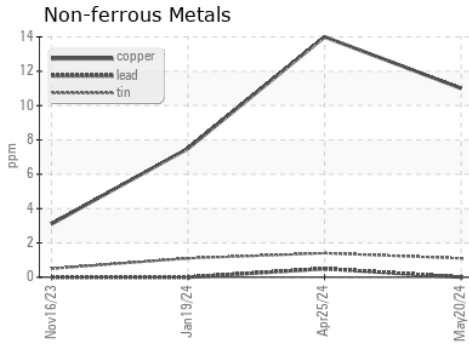
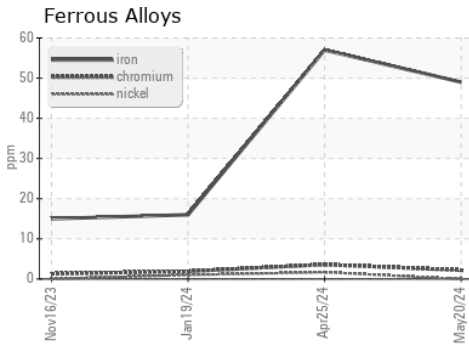
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	12.00	11.6	11.5

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0121227  
**Lab Number** : 06196228  
**Unique Number** : 11058351  
**Test Package** : FLEET

**Received** : 31 May 2024  
**Tested** : 03 Jun 2024  
**Diagnosed** : 03 Jun 2024 - Wes Davis

**Transervice - Shop 3250 - Dixon Transport**  
 1124 E. River Road  
 Dixon, IL  
 US 61021

Contact: Mike Shoemaker  
 Shop3250@transervice.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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F: